from https://tex.stackexchange.com/questions/9386/difference-between-right-of-and-right-of-in-pgf-tikz website.

centre-to-centre placing while using `right of=` option in tikz

looooooooooooooooooooooooooooooooooooong **node b**

boundary-to-boundary placing while using `right=of` option in tikz

looooooooooooooooooooooooooooooooooooong **node b**

Below demos are from https://tex.stackexchange.com/questions/209355/drawing-a-block-diagram-using-tikz website.

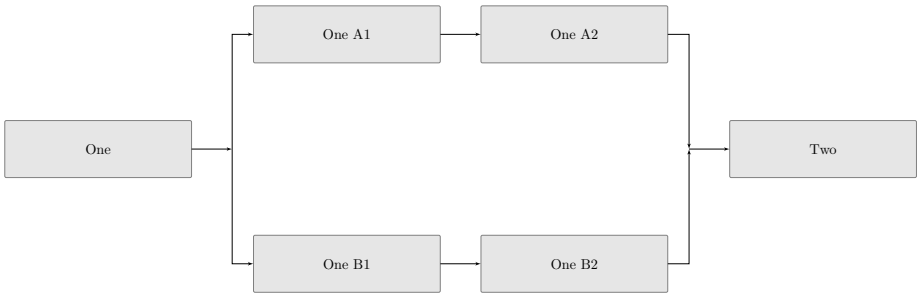
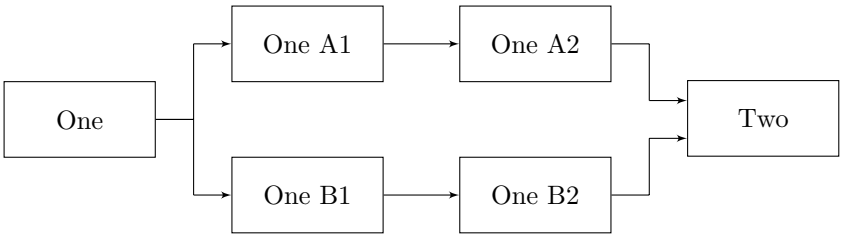
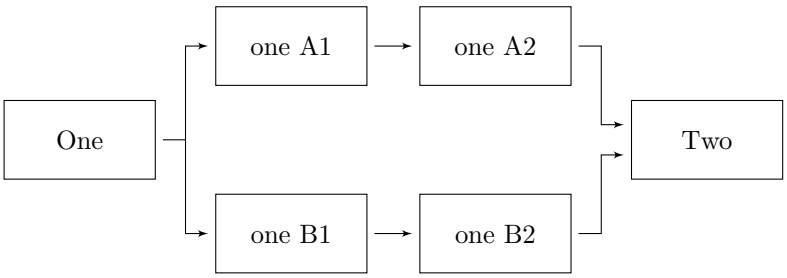
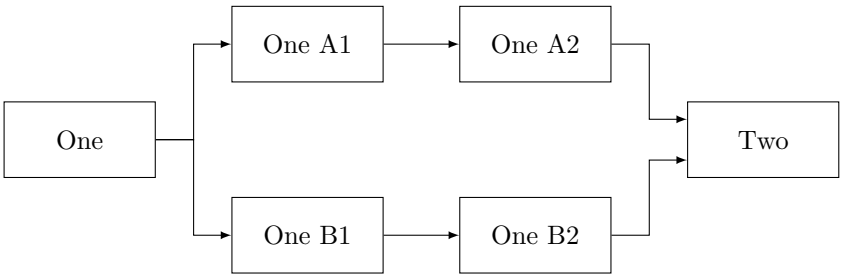


Figure 1: Figure caption







from https://tex.stackexchange.com/questions/71478/how-to-center-one-node-exactly-between-two-others-with-tikz website.

a b c

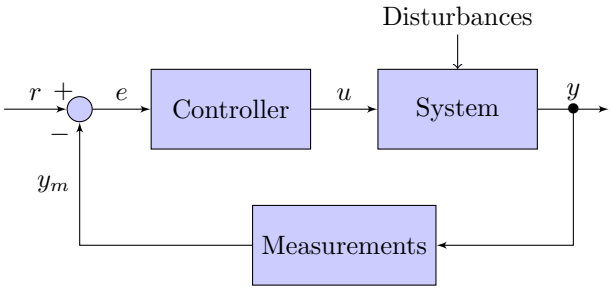
from https://tex.stackexchange.com/questions/123671/manual-automatic-line-breaks-and-text-alignment-in-tikz-nodes

This is a demonstration text for showing how line breaking works.

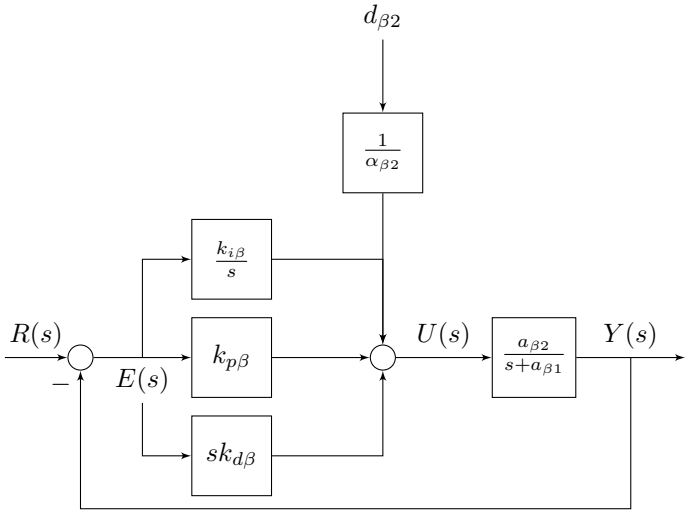
This is a demonstration text for showing how line breaking works.

This is a demonstration text for showing how line breaking works.

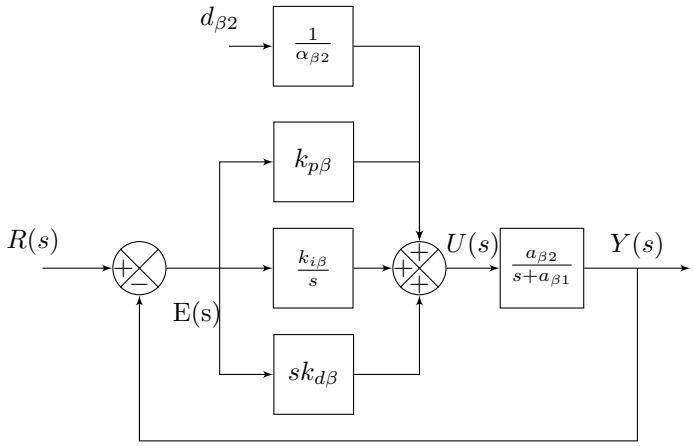
from https://texample.net/tikz/examples/control-system-principles/ website.



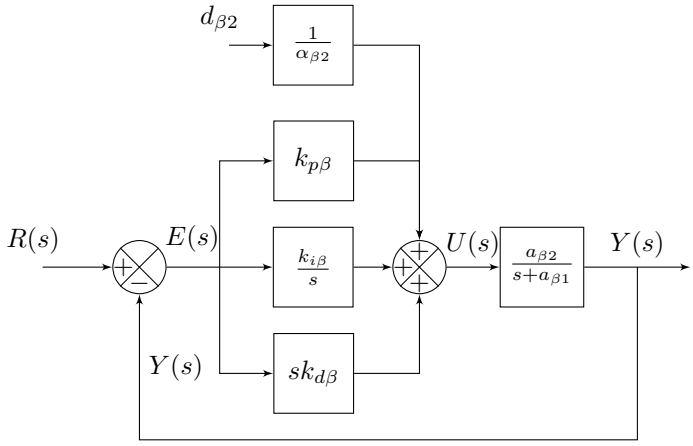
from https://tex.stackexchange.com/questions/175969/block-diagrams-using-tikz website.



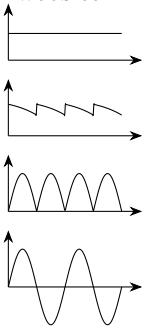
Using `schemablock` package (terms in French):



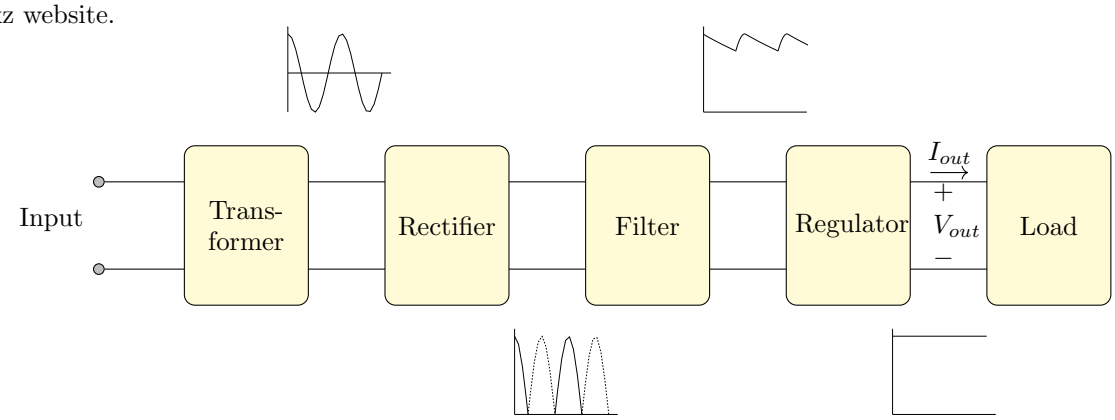
Using `schemablock` package (terms in English):



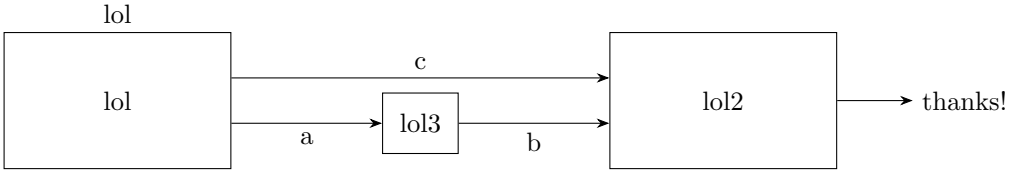
from https://tex.stackexchange.com/questions/206866/a-block-diagram-in-tikz website.



from https://tex.stackexchange.com/questions/206866/a-block-diagram-in-tikz website.



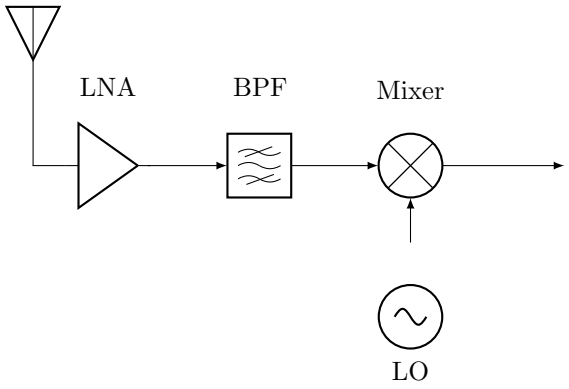
from https://tex.stackexchange.com/questions/237765/block-diagram-using-tikz?rq=1 website.



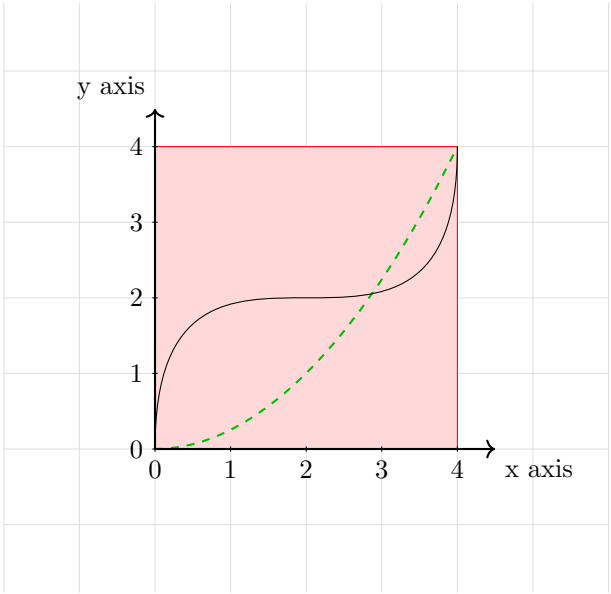
from https://tex.stackexchange.com/questions/166838/block-diagram-with-dsp-tikz-for-adaptive-feedback-cancellation

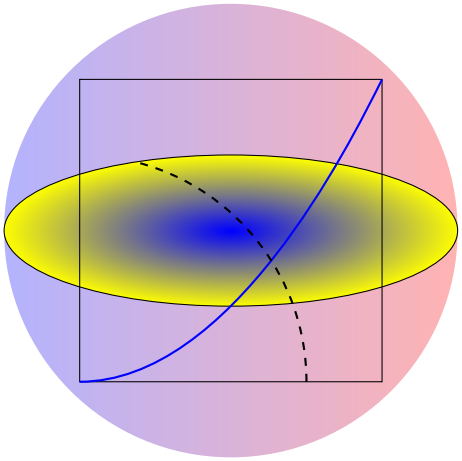
In a comment, some problem with cut labels was mentioned when including the figure from an external file. In this case, I'd suggest you to use the `standalone` documentclass to produce your image as a separate pdf file that then can be easily included in your document using the standard `\includegraphics` mechanism from graphicx; you can use the border option for standalone to control the padding around your figure, in case it is required:

from https://tex.stackexchange.com/questions/200235/is-there-a-predefined-bandpass-filter-block-in-tikz



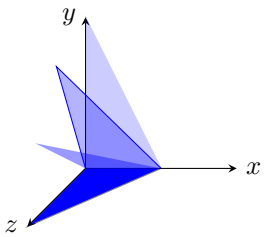
from https://www.overleaf.com/learn/latex/LaTeX_Graphics_using_TikZ:_A _Tutorial_for_Beginners_(Part_1)%





from https://www.overleaf.com/learn/latex/LaTeX_Graphics_using_TikZ:_A_Tutorial_for_Beginners_(Part_3)%E2%80%94Creating_Flowcharts

from https://tex.stackexchange.com/questions/354401/how-to-draw-a-vector-diagram-with-tikz-datavisualization



from https://tex.stackexchange.com/questions/110209/high-level-digital-design-in-tikz

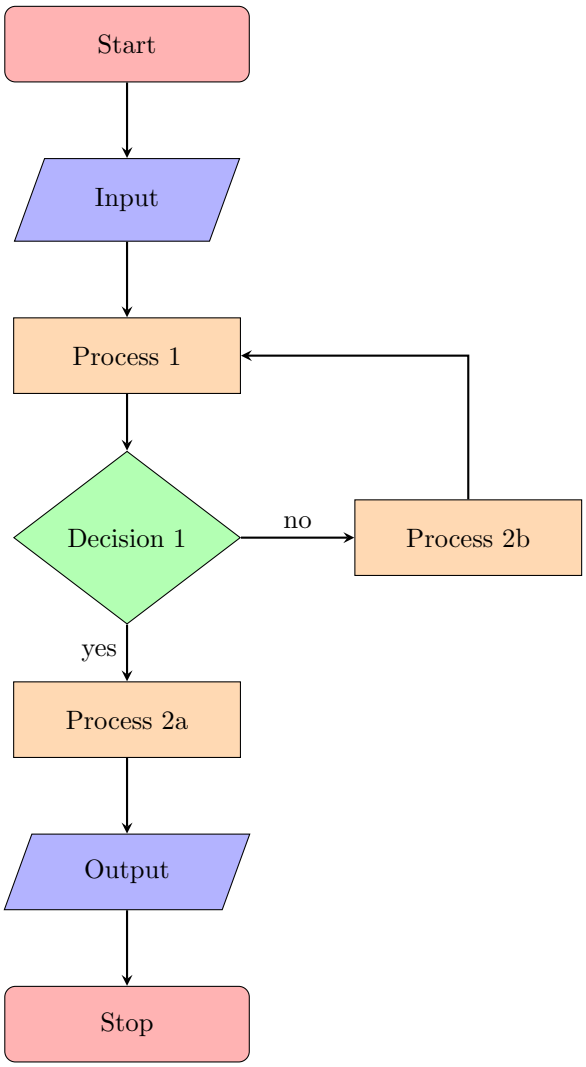
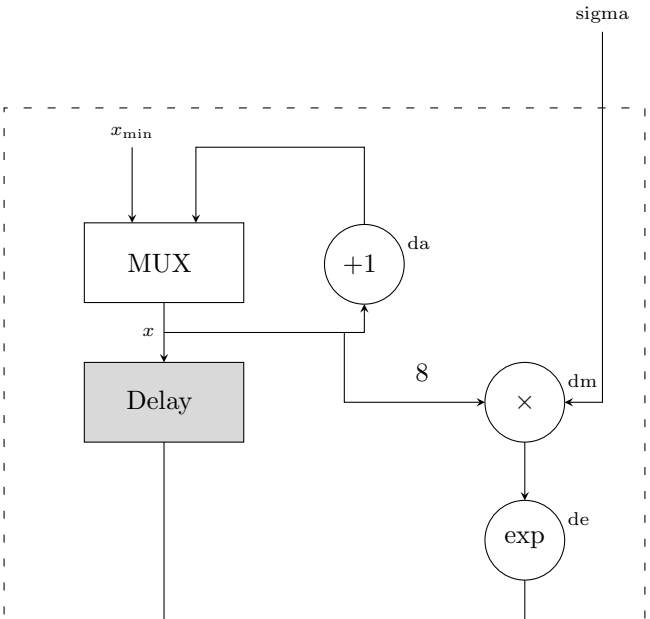
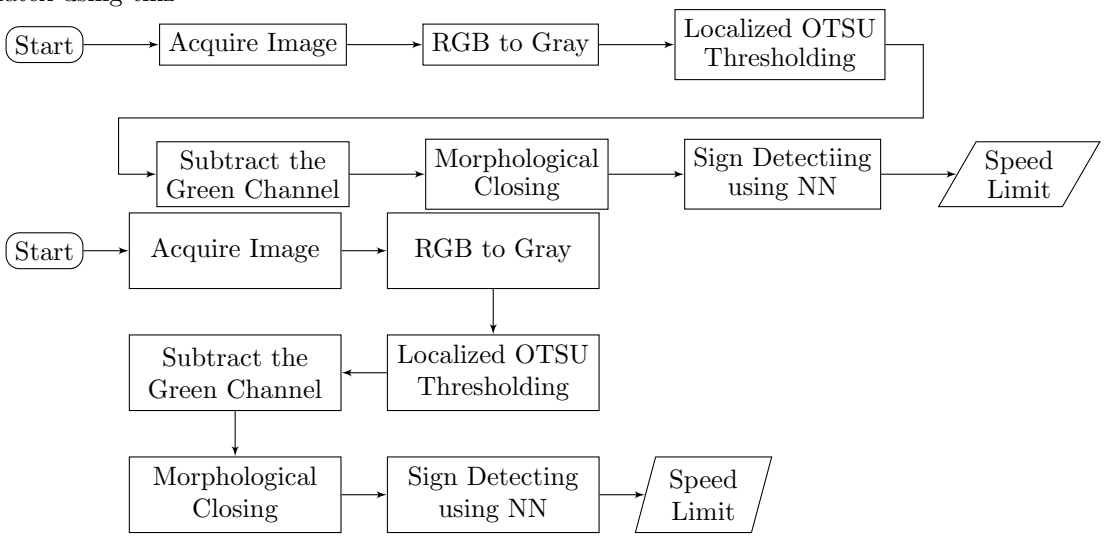


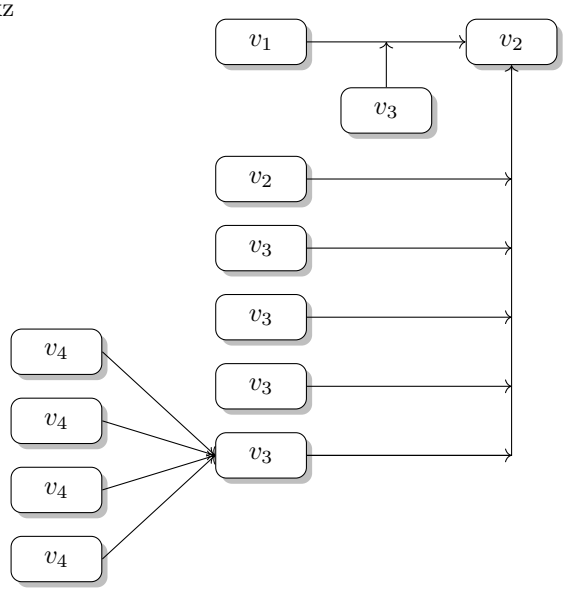
Figure 2: flowchart



from https://tex.stackexchange.com/questions/149602/drawing-flow-diagram-in-latex-using-tikz

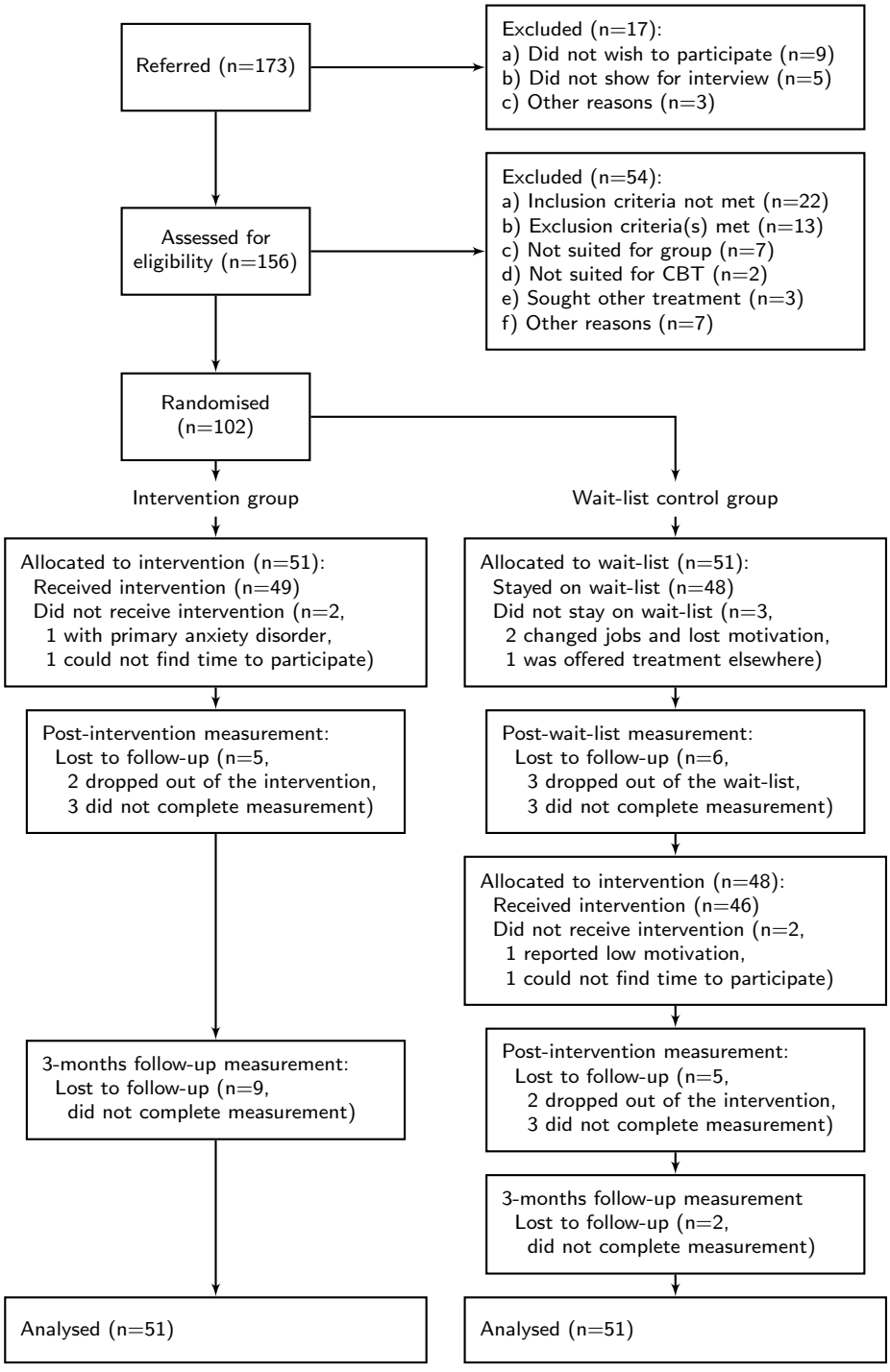


fromhttps://tex.stackexchange.com/questions/306638/simple-block-diagram-tikz

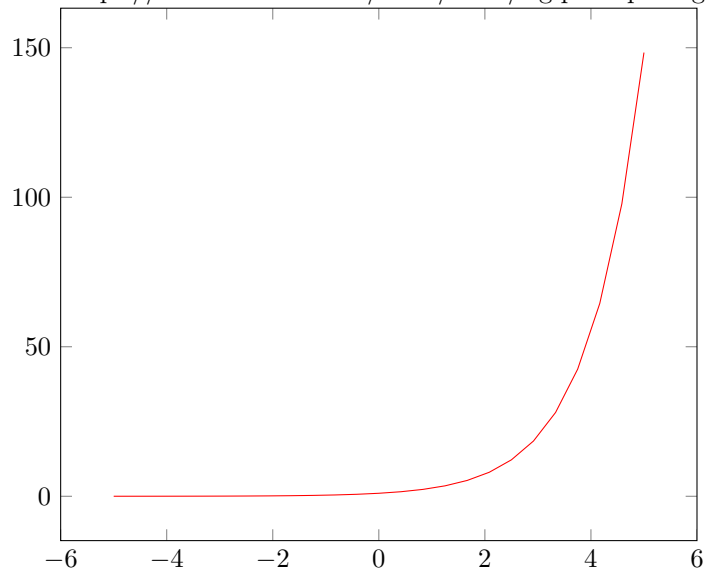


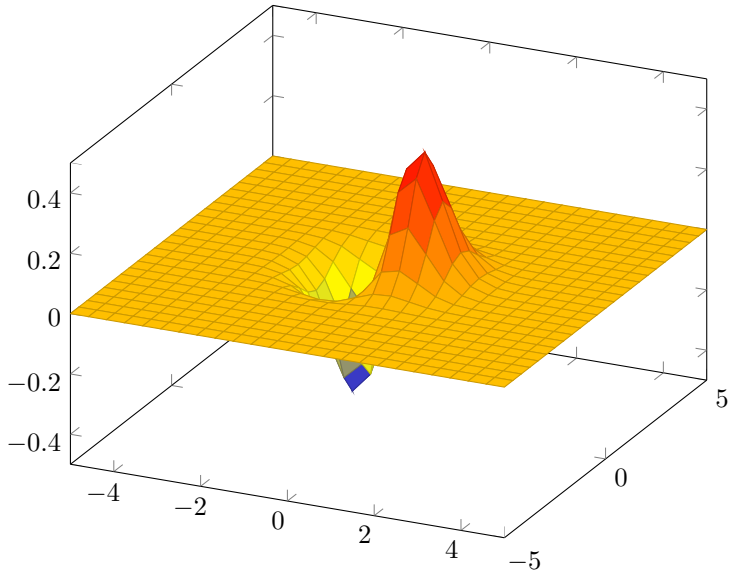
from https://texample.net/tikz/examples/consort-flowchart/

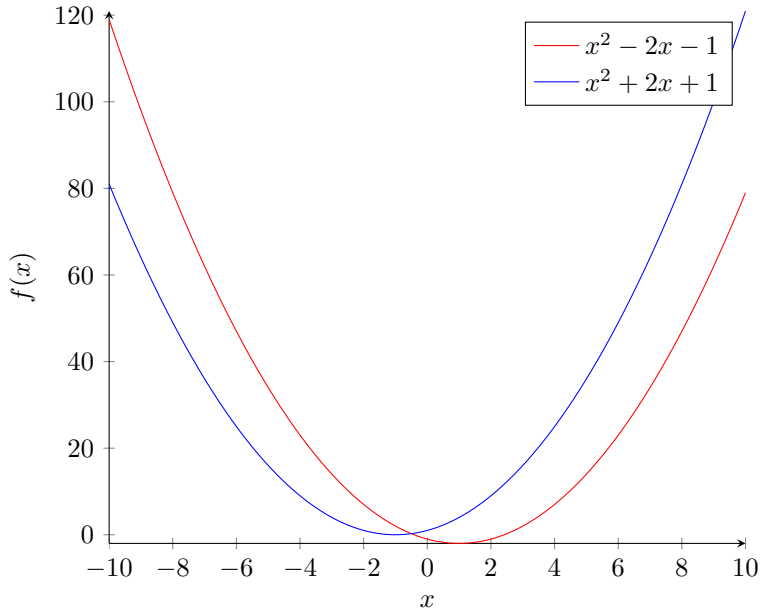
Figure 3: Flowchart of participants' progress through the phases of the trial


Referred (n=173)
Excluded (n=17):
a) Did not wish to participate (n=9)
b) Did not show for interview (n=5)
c) Other reasons (n=3)
Assessed for eligibility (n=156)
Excluded (n=54):
a) Inclusion criteria not met (n=22)
b) Exclusion criteria(s) met (n=13)
c) Not suited for group (n=7)
d) Not suited for CBT (n=2)
e) Sought other treatment (n=3)
f) Other reasons (n=7)
Randomised (n=102)
Intervention group
Wait-list control group
Allocated to intervention (n=51):
Received intervention (n=49)
Did not receive intervention (n=2,
1 with primary anxiety disorder,
1 could not find time to participate)
Allocated to wait-list (n=51):
Stayed on wait-list (n=48)
Did not stay on wait-list (n=3,
2 changed jobs and lost motivation,
1 was offered treatment elsewhere)
Post-intervention measurement:
Lost to follow-up (n=5,
2 dropped out of the intervention,
3 did not complete measurement)
Post-wait-list measurement:
Lost to follow-up (n=6,
3 dropped out of the wait-list,
3 did not complete measurement)
Allocated to intervention (n=48):
Received intervention (n=46)
Did not receive intervention (n=2,
1 reported low motivation,
1 could not find time to participate)
3-months follow-up measurement:
Lost to follow-up (n=9,
did not complete measurement)
Post-intervention measurement:
Lost to follow-up (n=5,
2 dropped out of the intervention,
3 did not complete measurement)
3-months follow-up measurement
Lost to follow-up (n=2,
did not complete measurement)
Analysed (n=51)
Analysed (n=51)

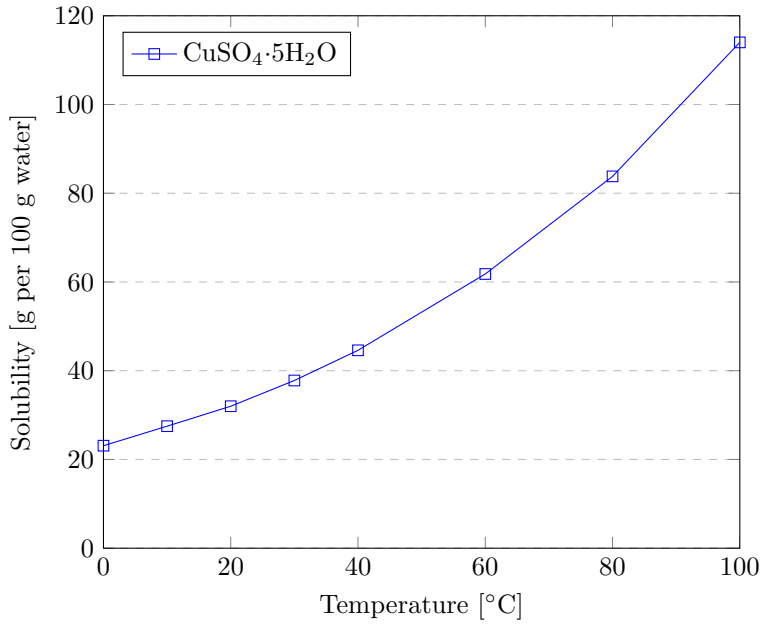
from https://www.overleaf.com/learn/latex/Pgfplots_package

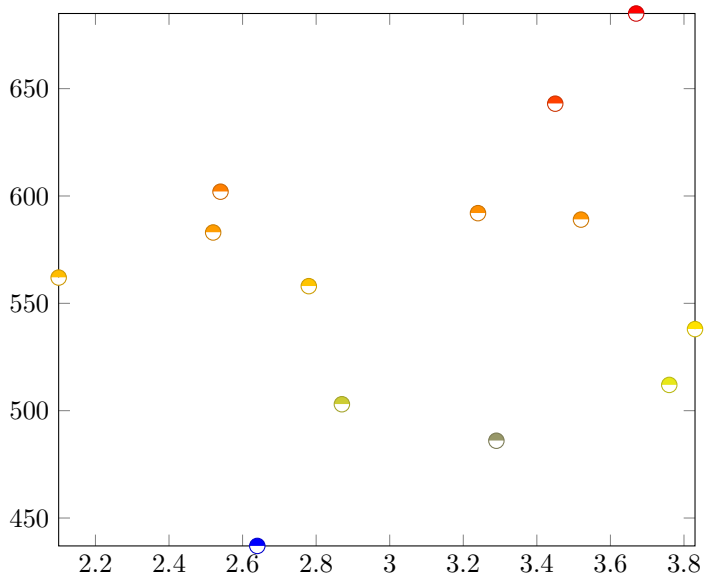


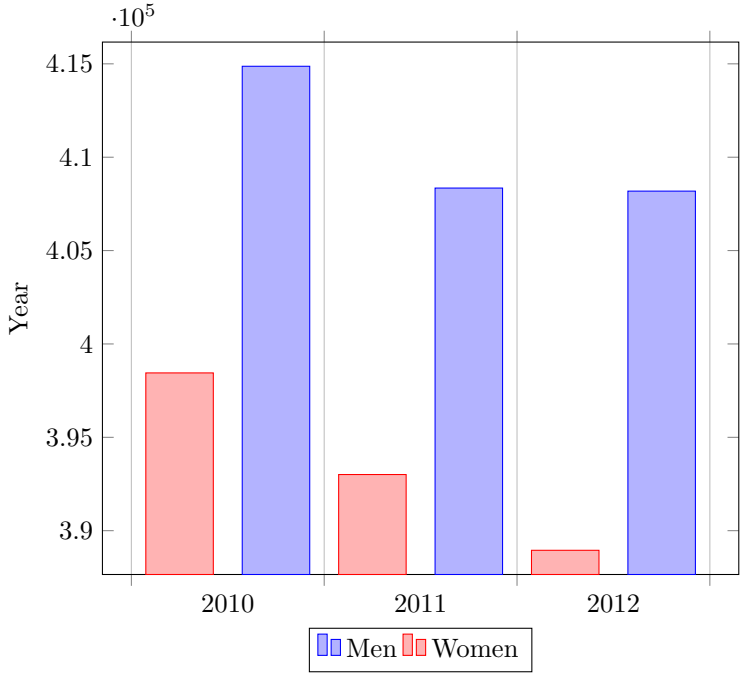




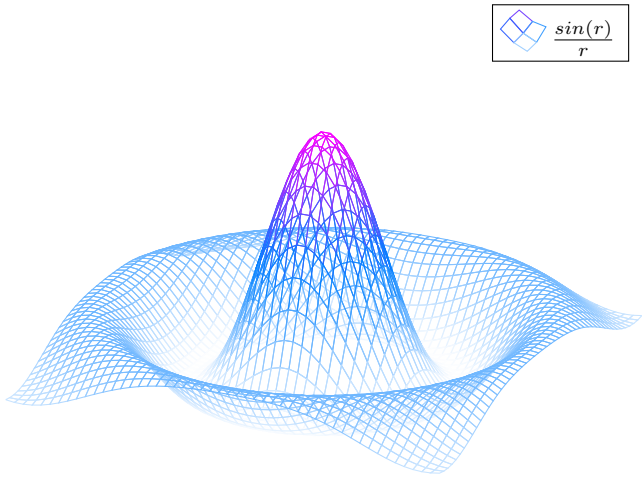
Temperature dependence of $CuSO_4 \cdot 5H_2O$ solubility



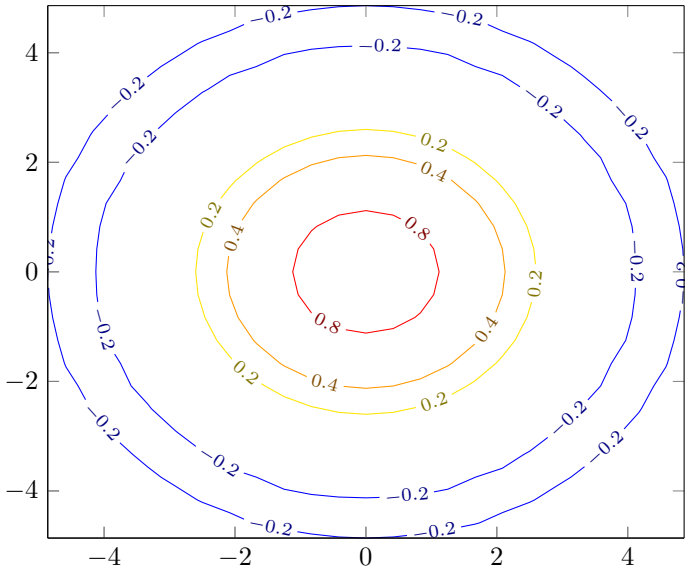

650
600
550
500
450
2.2
2.4
2.6
2.8
3
3.2
3.4
3.6
3.8

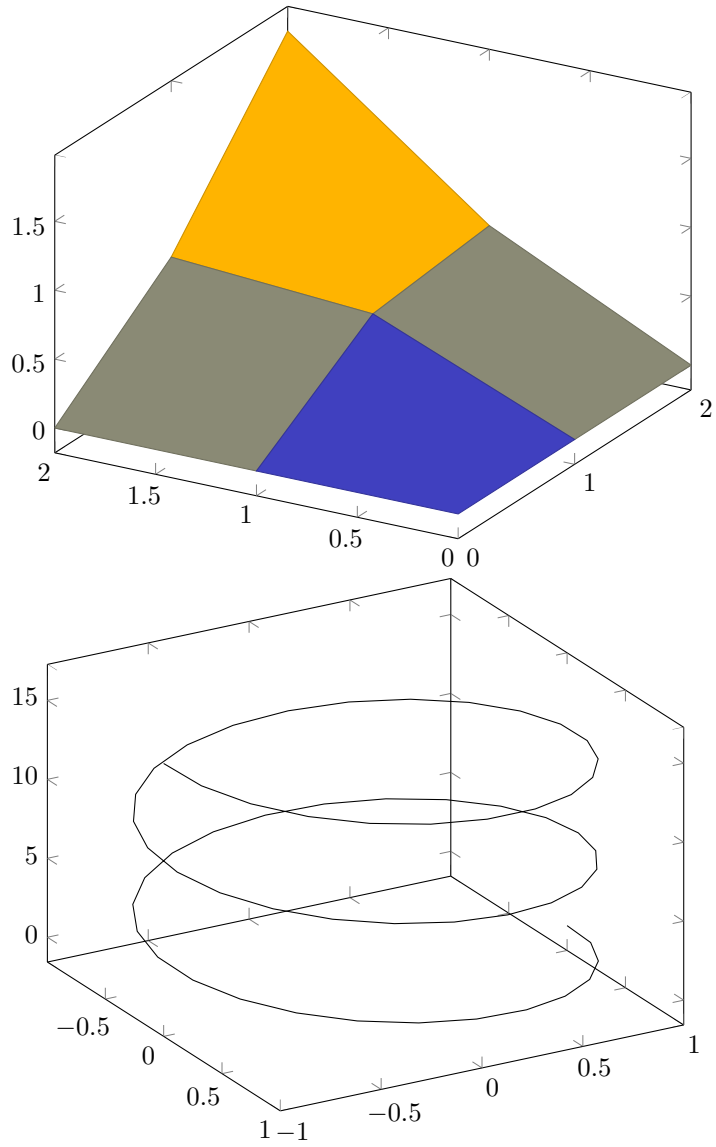

$\cdot 10^5$
4.15
4.1
4.05
4
3.95
3.9
Year
2010
2011
2012
Men
Women

Example using the mesh parameter



Contour plot, view from top





from https://stackoverflow.com/questions/36386656/how-to-plot-in-latex-with-gnuplot

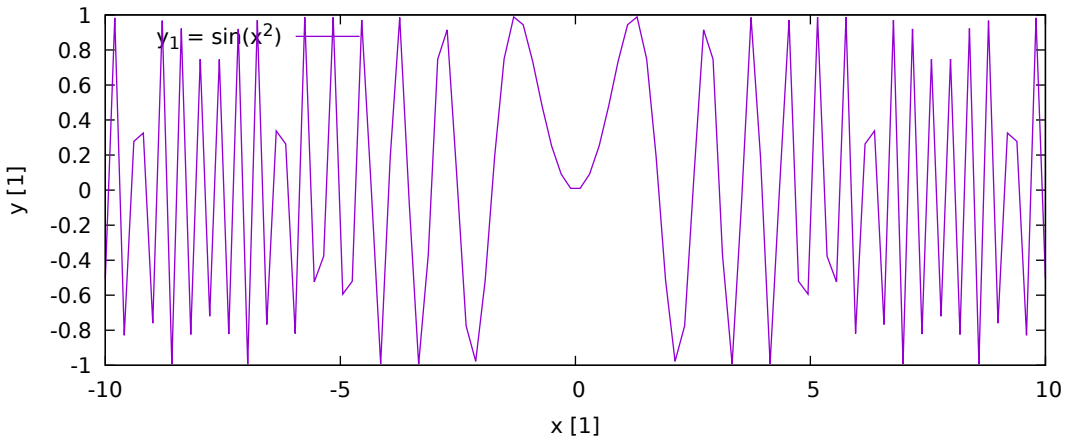


Figure 4: Plot